USER MANUAL

2 Port HDMI Audio Converter

Audio EDID Setting & 2 HDMI Output

Model No：HDSP0002M1

Enjoy the vivid world!

REMARK

Manufacturer does not make any commitment to update the information contained herein.

Dear customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

The products are designed to make your A/V device use more convenient, comfortable, productive and cost-efficient.

The 2 Port HDMI Audio Converter can allow two HD Display/TV connected to one HDMI Source and also can extract audio signals from your HDMI source. You can take your original HDMI audio signal and convert it to digital optical or 2 channel analog audio output. This product supports Dolby digital AC-3, DTS, LPCM and other digital audio format output. It is one perfect audio converter for your DVD, Blue-Ray DVD, PS3, X360BOX, HD Player, PC etc.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

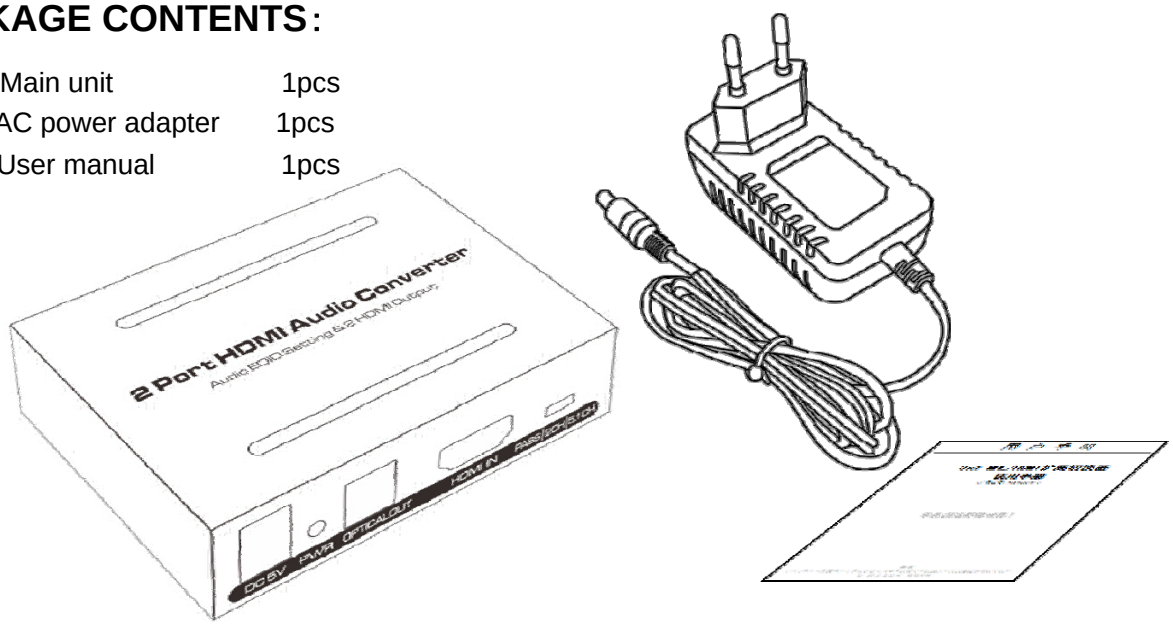
INTRODUCTION

FEATURES：

- 1X HDMI input and 2X HDMI output，can sync separation HDMI audio signal. Supports 1x SPDIF optical digital audio output, 2 channel RCA analog audio output
- Support HDMI input up to 1080P/60Hz, supports 3D (24/30fs)
- Support SPDIF digital audio format: Dolby digital (AC3), DTS, LPCM, and support 5.1CH
- Supports 3 modes of EDID management for audio formats, can switch among built-in EDID (2CH/5.1CH) and external EDID (TV).
- LED indication: when source or sink is working, LED relative to is light.
- Uses 24bit /192KHz DAC
- No loss of quality
- Installs in minutes
- DC5V/1A power adapter

PACKAGE CONTENTS：

1. Main unit 1pcs
2. AC power adapter 1pcs
3. User manual 1pcs



FEATURES OF THE INTERFACE:

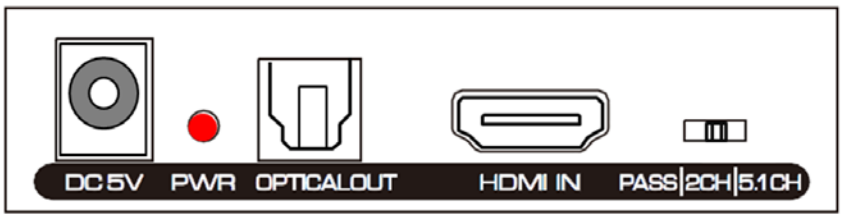


FIG.1.0 Front Panel View

DC5V: 5V DC in jack

PWR LED： POWER ON/OFF indicator

OPTICALOUT: SPDIF Optical/Toslink output

HDMI IN: HDMI input

SWITCH: Audio EDID mode switch. This switch allows users to select the source's audio EDID.

PASS：HDMI pass mode. Switch to PASS mode for the HDMI source to output audio per the EDID of connected TV or AV receiver supports up to LPCM 7.1 channels.

2CH：2CH LPCM mode. Switch to 2CH mode for the HDMI source to output LPCM 2 channels audio per the built-in EDID. Then HDMI, SPDIF, RCA and headphones output stereo audio.

5.1CH：5.1CH bitstream Mode. Switch to B5.1CH mode for the HDMI source to output bitstream audio per the built-in EDID. Then HDMI, SPDIF and RCA output 5.1CH audio, the headphone output audio comes from FL and FR channel

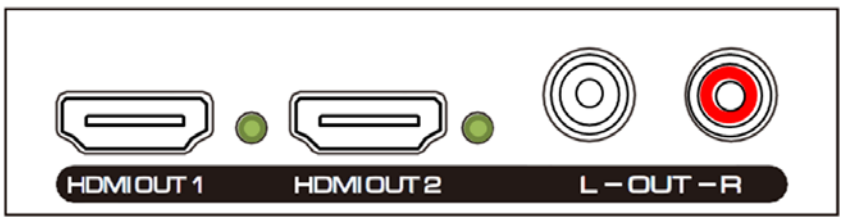


FIG.1.1 Rear Panel View

HDMI OUT1/2: HDMI output **GREEN LED：** HDMI OUTPUT indicator

L-OUT-R: Stereo analog audio output

OPERATIONG AND CONNECTION：

1. Connect one HDMI cable from a DVD/Blu-ray player into the HDMI input port of converter.
2. Connect one HDMI cable from TV/Monitor into the HDMI output port of converter.
3. If you need a digital audio, connect one optical fiber from digital power amplifier into the SPDIF output port of converter.
4. If you need an analog audio, Connect two AV cables from analog power amplifier/TV into the analog audio output ports of converter, the channel must correspond, and switch EDID mode in 2CH.
5. Connect 5V power supply to the converter and inserted into the power socket.

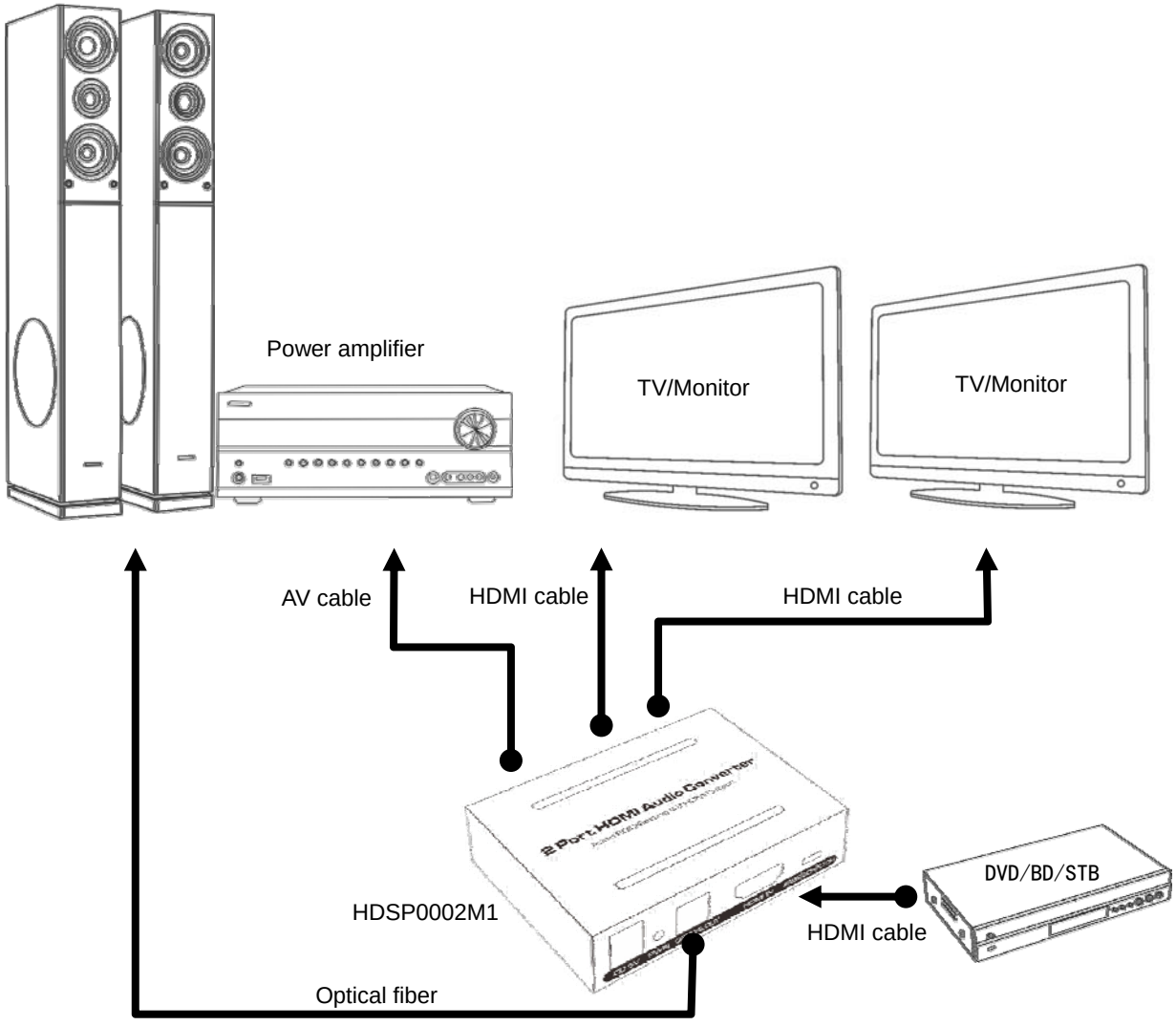


FIG.1.2 CONNECTION DIAGRAM

SPECIFICATIONS: HDSP0002M1

HDMI resolution …….... up to 1080P/50/60fs（3D 24/30fs）

Support video color format ……..……24bit/deep color 30bit,36bit

HDMI Audio Format……..DTS-HD/Dolby-TrueHD/LPCM 2/5.1/7.1CH/DTS/Dolby-AC3/DSD

SPDIF Digital audio format……Dolby Digital (AC3)/DTS/LPCM 2CH

HDMI Max bandwidth……...225MHz

HDMI Max baud rate……6.75Gbps

Input/Output TMDS signal ……0.5~1.5Volts p-p(TTL)

Input/Output DDC signal …….…….. 5Volts p-p (TTL)

DAC sample frequency range……32～192 KHz

DAC Bit rate range……16～24 Bit

Analog output level(1kHz@0dB).....1V RMS

SNR @ 0dB(CCIR/ARM)……≥90dB

Distortion……...≤0.1%

Frequency response……20Hz~20KHz

HDMI input cable distance……≤15m AWG26 HDMI standard cable

HDMI output cable distance……..≤20m AWG26 HDMI standard cable

Max working current ……600mA

Power adapter format Input …….…….. AC 100V～240V 50HZ/60Hz, DC5V/1A

Operating Temperature range ……..…….. -10 to +55℃

Storage Temperature range…….. -20 to +60℃

Operating Humidity range ……10 to 90%RH (No Condensation)

Storage Humidity range……5 to 95%RH (No Condensation)

Case Dimension (L x W x H) …….. 85x62x21 (mm)

Weight …….. 130g

Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

1. The machine should be placed at the spot far from the Damp, High-Temperature, Dusty, Erosive, and oxidative environment.
2. All parts will be free from the strong shake, hit, fall.
3. Touching the power adaptor with the wet hands is prohibited.
4. Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
5. Pls turn the power off when the machines not used for long time.
6. Pls do not open the cover and do not touch the inside parts.
7. Pls use the original factory power adaptor.

FAQ:

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

No.	Problem Description	Solutions
1	Non-Power-Connected	1. Check if the power adaptor head is truly and correctly inserted the power socket. 2. Check the power if it is in on status.
2	No Sound/ Abnormal sound	1. Confirm the wires are intact and reliable connection. 2. Confirm the input audio format is supported formats. 3. Confirm the audio EDID mode switch setting. 4. Confirm the converter / power amplifier / TV set volume and mute.
3	No Picture / Abnormal Picture	1. Pls to make sure that the TV / amplifier is on and has been connected with the machine. 2. Check the signal source output resolution, may be set too high. 3. Device EDID read error, please reboot. 4. Check the cable quality.